



A06-0032 1/14/02

***National  
Environmental  
Achievement Track***

***Application Form***

Chevron Phillips Chemical Co., Cedar Bayou Plant

Name of facility

Chevron Phillips Chemical Company, LP

Name of parent company (if any)

9500 I-10 East, Exit 796

Street address

Street address (continued)

Baytown, Texas 77521-9570

City/State/Zip code

Give us information about your contact person for the  
National Environmental Achievement Track Program.

Name Melvin R. Vyvial

Title Supervisor - Environmental

Phone (281) 421-6246

Fax (281) 421-6272

E-mail VYVIAMR@CPCHEM.COM

### ***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

### ***What do you need to do?***

- Provide background information on your facility.
- Identify your environmental requirements.

# Section A

*Tell us about your facility.*

1 What do you do or make at your facility?

Ethylene  
Propylene  
Normal Alpha Olefins  
Poly Alpha Olefins  
Polyethylene  
Acetylene Black

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC  
2869 2821 2895  
  
NAICS  
325199 325211 325182

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

☐ Fewer than 50  
☐ 50-99  
☐ 100-499  
☐ 500-1,000  
☒ More than 1,000

## Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

77522CHVRN9500I (TRI)  
TXD003913381 (waste)

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

See enclosed checklist

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Member of ACC's Responsible Care and received the Texas Chemical Council's "Excellence in Caring for Texas" award based on year 2000 performance.

### ***Why do we need this information?***

Facilities need to have an operating Environmental Management System (EMS) that meets certain requirements.

### ***What do you need to do?***

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

# *Section B*

*Tell us about your EMS.*

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

*a.* Environmental policy ☒ Yes

*b.* Planning ☒ Yes

*c.* Implementation and operation ☒ Yes

*d.* Checking and corrective action ☒ Yes

*e.* Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI

☐ Other

☒ CEMP

☒ Third-party assessment

☐ ISO 14001 Certification

☒ Other Corporate audit

### ***Why do we need this information?***

Facilities need to show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

### ***What do you need to do?***

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

# Section C

*Tell us about your past achievements and future commitments.*

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you need to report past achievement for at least one environmental aspect.

### ***First aspect you've selected***

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Emissions of VOC's	57.29	Tons	1.65	Tons
<p>i. How is the current level an improvement over the previous level?</p> <p>Emissions were reduces.</p>				
<p>ii. How did you achieve this improvement?</p> <p>Procedure change: A fugitive minitoring and maintenance program was undertaken to reduce fugitive leaks from pipe connectors in two process units under the Pollution Prevention Code of Responsible Care.</p>				

**Second aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Vulnerability for release	Quantity 10,000	Units gallons	Quantity 0	Units gallons
<p>i. How is the current level an improvement over the previous level?</p> <p>The volume of extremely hazardous substance was eliminated.</p>				
<p>ii. How did you achieve this improvement?</p> <p>Equipment and process change: Anhydrous ammonia storage and use was replaced with 30% aqueous ammonia under the Health &amp; Safety Code of Responsible Care.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you are a small facility, you need to make commitments for at least two environmental aspects in two different categories.

**First aspect you've selected**

- a. What is the aspect? wastewater discharge of Toxics
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value 30. Tons  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production  
or output (Quantity/Units)

d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.

- ☒ Option A:  
Absolute value 15. Tons  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output

e. How will you achieve this improvement?

Reduce the ammonia nutrient in the biological treatment system will reduce nitrates in the discharge under Health & Safety Code of Responsible Care.

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### ***Second aspect you've selected***

a. What is the aspect?

Hazardous Solid Waste

b. Is this aspect identified as significant in your EMS?

☐ Yes ☒ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

- ☒ Option A:  
Absolute value 1,800 Tons  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output

d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.

- ☒ Option A:  
Absolute value 0 Tons  
(Quantity/Units)
- ☐ Option B:  
In terms of  
units of production (Quantity/Units)  
or output

e. How will you achieve this improvement?

Process change - upgrade Polyethylene Unit 1792 slop oil to cutter stock oil for sales under Pollution Prevention Code of Responsible Care.

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**Third aspect you've selected**

- |   |   |                              |
|---|---|------------------------------|
| a. What is the aspect?  | Emissions of VOC's  |                              |
| b. Is this aspect identified as significant in your EMS?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                              |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input type="checkbox"/> Option A:<br>Absolute value  | 14. Tons<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output                                   | (Quantity/Units)             |
| d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value   | 0 Tons<br>(Quantity/Units)   |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output                                   | (Quantity/Units)             |
| e. How will you achieve this improvement?   | Equipment upgrade - re-route flared gas to fuel or recovery system under Pollution Prevention Code of Responsible Care. |                              |

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**Fourth aspect you've selected**

- |   |  |                              |
|---|--|------------------------------|
| a. What is the aspect?  | Emissions of SO2   |                              |
| b. Is this aspect identified as significant in your EMS?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                              |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 800 Tons<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output                      | (Quantity/Units)             |
| d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 40 Tons<br>(Quantity/Units)  |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output                      | (Quantity/Units)             |
| e. How will you achieve this improvement?   | Procedure change - Spent caustic will be treated by wet air oxidation under the Pollution Prevention Code. |                              |



### ***Why do we need this information?***

Facilities need to demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

# *Section D*

*Tell us about your public outreach and reporting.*

### ***What do you need to do?***

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

(1) Personnel available 24 hours a day for immediate response, (2) Personnel active in civic organizations, (3) Personnel active in community advisory panel.

2 How do you inform community members of important matters that affect them?

Through (1) community advisory panel, and (2) newspaper.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website [www.insidecpchem.net](http://www.insidecpchem.net)

☐ Newspaper

☐ Open Houses

☒ Other

Environment and Safety Performance Report which is available to all visitors

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	City of Baytown	Honorable Pete Alfaro Mayor, City of Baytown, 2401 Market St., Baytown, TX 77520	281-420-6501
<i>State/Local Regulator</i>	Fire and Emergency Management	B. C. Oliver, Assistant Fire Chief, 220 W. Defee, Baytown, TX 77520	281-420-5874
<i>Other community/local reference</i>	Baytown Community Advisory Panel	Fritz Lanham, 2303 Mockingbird Lane, Baytown, TX 77521	281-427-9072

# Section E

## *Application and Participation Statement.*

On behalf of Cedar Bayou  
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

Printed Name/Title    Greg Hanggi, Plant Manager

Facility Name    Chevron Phillips Chemical Company, Cedar Bayou Plant

Facility Street Address    9500 I-10 East, Exit 796, Baytown, Texas 77521-9570

Facility ID Numbers    77522CHVRN95001

## National Environmental Achievement Track

### *Environmental Requirements Checklist*

We've included the following Checklist to help you answer questions in Section A, Tell us about your facility. The Checklist will help you identify the major federal, state, tribal, and local environmental requirements that apply at your facility, but it is not an exhaustive list of all environmental requirements that may be applicable at your facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

#### **Air Pollution Regulations**

Check All That Apply

- ☒ 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61)
- ☒ 2. Permits and Registration of Air Pollution Sources
- ☒ 3. General Emission Standards, Prohibitions and Restrictions
- ☐ 4. Control of Incinerators
- ☒ 5. Process Industry Emission Standards
- ☒ 6. Control of Fuel Burning Equipment
- ☒ 7. Control of VOCs
- ☒ 8. Sampling, Testing and Reporting
- ☒ 9. Visible Emissions Standards
- ☐ 10. Control of Fugitive Dust
- ☒ 11. Toxic Air Pollutants Control
- ☒ 12. Vehicle Emissions Inspections and Testing
  
- ☒ 13. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
  - Control of NO<sub>x</sub>
  - Control of SO<sub>2</sub>
  - Control of CO
  - Title V permit

#### **Hazardous Waste Management Regulations**

Check All That Apply

- ☒ 1. Identification and Listing of Hazardous Waste (40 CFR 261)
  - ☒ - Characteristic Waste
  - ☒ - Listed Waste
- ☒ 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
  - ☒ - Manifesting
  - ☒ - Pre-transport requirements
  - ☒ - Record keeping/reporting
- ☐ 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
  - ☐ - Transfer facility requirements
  - ☐ - Manifest system and record-keeping
  - ☐ - Hazardous waste discharges
- ☐ 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)

- ☐ - General facility standards
- ☐ - Preparedness and prevention
- ☐ - Contingency plan and emergency procedures
- ☐ - Manifest system, Record keeping and reporting
- ☐ - Groundwater protection
- ☐ - Financial requirements
- ☐ - Use and management of containers
- ☐ - Tanks
- ☐ - Waste piles
- ☐ - Land treatment
- ☐ - Incinerators
- ☐ 5. Interim Standards for TSD Owners and Operators (40 CFR 265)
- ☐ 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267)
- ☐ 7. Administered Permit Program (Part B) (40 CFR 270)
- ☒ 8. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above  
Texas Solid Waste Regulation

### **Hazardous Materials Management**

Check All That Apply

- ☒ 1. Control of Pollution by Oil and Other Hazardous Substances (33 CFR 153)
- ☒ 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302)
- ☒ 3. Hazardous Materials Transportation Regulations (49 CFR 172-173)
- ☒ 4. Worker Right-to-Know Regulations (29 CFR 1910.1200)
- ☒ 5. Community Right-to-Know Regulations (40 CFR 350-372)
- ☐ 6. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

### **Solid Waste Management**

Check All That Apply

- ☒ 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257)
- ☐ 2. Permit Requirements for Solid Waste Disposal Facilities
- ☐ 3. Installation of Systems of Refuse Disposal
- ☒ 4. Solid Waste Storage and Removal Requirements
- ☒ 5. Disposal Requirements for Special Wastes
- ☐ 6. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

### **Water Pollution Control Requirements**

Check All That Apply

- ☒ 1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112)
- ☒ 2. Designation of Hazardous Substances (40 CFR 116)
- ☒ 3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117)
- ☒ 4. NPDES Permit Requirements (40 CFR 122)
- ☒ 5. Toxic Pollutant Effluent Standards (40 CFR 129)
- ☐ 6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403)  
Name of POTW  
ID # of POTW
- ☒ 7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414)
- ☐ 8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
- ☒ 9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
- ☒ 10. Water Quality Standards
- ☒ 11. Effluent Limitations for Direct Dischargers
- ☒ 12. Permit Monitoring/Reporting Requirements
- ☐ 13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants
- ☐ 14. Collection, Handling, and Processing of Sewage Sludge
- ☒ 15. Oil Discharge Containment, Control and Cleanup
- ☐ 16. Standards Applicable to Indirect Discharges (Pretreatment)
- ☒ 17. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above  
Tx PDES

### **Drinking Water Regulations**

Check All That Apply

- ☐ 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146)
- ☐ 2. National Primary Drinking Water Standards (40 CFR 141)
- ☐ 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141)
- ☐ 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
- ☐ 5. Underground Injection Control Requirements
- ☐ 6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems
- ☐ 7. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

### **Toxic Substances**

Check All That Apply

- ☒ 1. Manufacture and Import of Chemicals, Record-keeping and Reporting Requirements (40 CFR 704)

- ☒ 2. Import and Export of Chemicals (40 CFR 707)
- ☒ 3. Chemical Substances Inventory Reporting Requirements (40 CFR 710)
- ☒ 4. Chemical Information Rules (40 CFR 712)
- ☒ 5. Health and Safety Data Reporting (40 CFR 716)
- ☒ 6. Pre-Manufacture Notifications (40 CFR 720)
- ☒ 7. PCB Distribution Use, Storage and Disposal (40 CFR 761)
- ☒ 8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762)
- ☐ 9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775)
- ☐ 10. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

### **Pesticide Regulations**

Check All That Apply

- ☐ 1. FIFRA Pesticide Use Classification (40 CFR 162)
- ☐ 2. Procedures Storage and Disposal of Pesticides and Containers (40 CFR 165)
- ☐ 3. Certification of Pesticide Applications (40 CFR 171)
- ☐ 4. Pesticide Licensing Requirements
- ☐ 5. Labeling of Pesticides
- ☐ 6. Pesticide Sales, Permits, Records, Application and Disposal Requirements
- ☐ 7. Disposal of Pesticide Containers
- ☐ 8. Restricted Use and Prohibited Pesticides
- ☐ 9. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

### **Environmental Clean-Up, Restoration, Corrective Action**

Check All That Apply

- ☐ 1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (Please identify)
- ☐ 2. RCRA Corrective Action
- ☒ 3. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

Texas Risk Reduction Regulations  
Underground Storage Tank Regulations

**Facility Name** Chevron Phillip Chemical Co., Cedar Bayou Plant  
**Facility Location:** 9500 I-10 East, Exit 796, Baytown, Texas 77521-9570  
**Facility ID Number(s):** 77522CHVRN9500I (TRI)  
TXD003913381 (Waste)

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK (7875) or e-mail [ptrack@indecon.com](mailto:ptrack@indecon.com). Mail completed applications to:

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